New York City Taxi Fare Prediction Proposal

Overview:

This project aims to build a regression model that predicts taxi fares based on distance, time of day, and other relevant variables. The goal is to provide accurate fare estimates to enhance user experience and improve fare transparency.

Milestone	Tasks	Deliverables/Reports	Relevant Stakeholder (Optional Activity)
1	Write a project proposal⸱ Plan ⌄	Global-level project document	Project Manager
	Establish structure for project workflow (PACE)ot necessary fo... Plan ⌄	Initial project plan	Data Analysis Manager
1a	Begin exploring the data⸱ Analyze ⌄	Data files ready for EDA	Data Engineer
2	Data exploration and cleaning Analyze ⌄	Cleaned and prepared datasets	Data Engineer
2a	Compute descriptive statistics	EDA report	Data Analysis Manager

Course 1: Foundations of Data Science

	Analyze ⌄		
3	**Compile summary information about the data** **Analyze** ⌄	Comprehensive summary report	Data Analyst
3a	**Conduct hypothesis testing** **Analyze** ⌄	Analysis of testing results between two important variables	Data Scientist
4	**Evaluate the model** ⌄ **Analyze** ⌄ and **Execute** ⌄	Model evaluation report	Data Scientist
4a	**Build a regression model** ⌄ **Construct** ⌄	Final model	Data Scientist
5	**Build a machine learning model** **Construct** ⌄	Model performance metrics	Data Scientist
5a	**Visualization building** **Construct** ⌄	Tableau dashboard/visualizations	Data Analyst
6	**Communicate final insights with stakeholders**	Final report to all stakeholders	Project Manager

	Execute ▾		
6a	Select software/languages▾ Plan ▾	Software selection documentation	Project Manager